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EXPRESS MAILING LABEL NO. EL 733 591 239 US

PATENT APPLICATION  
Docket No: 15689.58

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Keizaburo SASAKI et al.

Serial No.: 09/667,084

Filing Date: September 21, 2000

Confirmation No.: n/a

For: DATA CONVERSION APPARATUS, SIGNAL,  
DATA CONVERSION METHOD, DCE,  
GATEWAY AND COMMUNICATION  
APPARATUS

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OCT 29 2002

Technology Center 2100

Art Unit  
2171

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TRANSMITTAL FOR REVOCATION AND SUBSTITUTE POWER OF ATTORNEY  
and CHANGE OF ATTORNEY DOCKET NUMBER

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith for filing is a Revocation and Substitute Power of Attorney and Change of Attorney Docket Number. Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned. Triplicate copies of this letter are enclosed.

Dated this 25th day of October, 2002.

Respectfully submitted,



ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785



**022913**

PATENT TRADEMARK OFFICE

PATENT APPLICATION  
Docket No: 15689.58

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 09/667,084

Filing Date: September 21, 2000

Confirmation No.: n/a

For: Data Conversion Apparatus, Signal, Data Conversion Method, DCE, Gateway and Communication Apparatus

Art Unit  
2171

## REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Honorable Commissioner of Patents  
and Trademarks  
Washington, DC 20231

Sir:

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**Technology Center 2600**

The undersigned, Yoshitaro Shimanuki, declares: that he is the Intellectual Property Executive Manager of NTT DoCoMo, Inc., and that he is authorized to execute this Revocation and Substitute Power of Attorney on behalf of NTT DoCoMo, Inc.; and that NTT DoCoMo, Inc. is the assignee of the entire interest of the above-identified application, as shown by the assignment recorded in the United States Patent Office at Reel 011753, Frame 0238, a copy of said assignment is attached at Exhibit A hereto; and that the attached assignment has been reviewed by him, and to the best of his knowledge and belief title is in the assignee NTT DoCoMo, Inc.. The assignee, NTT DoCoMo, Inc., hereby revokes all previous powers of attorney in the above-identified application, and now hereby appoints all attorneys under customer number:



**022913**

PATENT TRADEMARK OFFICE

of WORKMAN, NYDEGGER & SEELEY, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, as attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith. The declarant further declares that all statements made herein of his own knowledge are true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon. All correspondence and telephonic communications should be directed to:

ADRIAN J. LEE  
WORKMAN, NYDEGGER & SEELEY  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111

All previous powers of attorney are hereby revoked.

Signed this 30 day of September, 2002.

*Yoshitaro Shimanuki*

---

Yoshitaro Shimanuki  
Intellectual Property Executive Manager  
NTT DoCoMo, Inc.  
11-1, Nagatacho 2-Chome  
Chiyoda-Ku  
Tokyo 100-6150, Japan

10-28-02

Gp 2171

EXPRESS MAILING LABEL NO. EL 733 591 239 US

PATENT APPLICATION

Docket No: 15689.58

OCT 25 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: application of

Keizaburo SASAKI et al.

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Serial No.: 09/667,084

OCT 30 2002

) Art Unit  
) 2171

Filing Date: September 21, 2000

Technology Center 2800

Confirmation No.: n/a

For: DATA CONVERSION APPARATUS, SIGNAL,  
DATA CONVERSION METHOD, DCE,  
GATEWAY AND COMMUNICATION  
APPARATUS

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CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

I hereby certify that the following documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on this 25th day of October, 2002:

- Transmittal for Revocation and Substitute Power of Attorney and Change of Attorney Docket No. (2 pages, in triplicate)
- Revocation and Substitute Power of Attorney and Exhibit A (7 pages)
- Change of Attorney Docket Number (2 pages)
- Postcard

Respectfully submitted,



ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785



022913

PATENT TRADEMARK OFFICE

Dated this 25<sup>th</sup> day of October, 2002.

Respectfully submitted,



ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785



**022913**

PATENT TRADEMARK OFFICE

AJL:jrl



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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Washington, D.C. 20231

JULY 18, 2001

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/23/2001

REEL/FRAME: 011753/0238  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
SASAKI, KEIZABURO

DOC DATE: 01/12/2001

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ASSIGNOR:  
HATTORI, HIROYUKI

DOC DATE: 01/12/2001

ASSIGNOR:  
NIIZATO, NORIKO

DOC DATE: 01/12/2001

ASSIGNEE:  
NTT DOCOMO, INC.  
11-1 NAGATACHO 2-CHOME, CHIYODA-KU  
TOKYO 100-6150, JAPAN

SERIAL NUMBER: 09667084  
PATENT NUMBER:

FILING DATE: 09/21/2000  
ISSUE DATE:

RECORDS UPDATED

07/25/01

Je

011753/0238 PAGE 2

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

RE

05-07-2001

REC



101703518

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Keizaburo SASAKI; Hiroyuki HATTORI; and  
Noriko NIIZATO

2. Name and address of receiving party(ies)

Name: NTT DoCoMo, Inc.

Internal Address:

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other \_\_\_\_\_

Street Address: 11-1 Nagatacho 2-chome,  
Chiyoda-ku

City: Tokyo Country: Japan ZIP: 100-6150

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: January 12, 2001

4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

09/667,084 filed on September 21, 2000

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom  
correspondence concerning document should be  
mailed:

BROWN RAYSMAN MILLSTEIN FELDER &  
STEINER LLP

120 West 45th Street

New York, New York 10036

(212) 944-1515

6. Total number of applications and patents  
involved: 1

7. Total fee (37 CFR 3.41):..... \$ 40.00

☒ Check enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number: 02-4270  
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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached  
copy is a true copy of the original document.*

Ralph F. Hoppin, Reg. #38,494

Name of Person Signing

Ralph F. Hoppin  
Signature

April 24, 2001  
Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, we, 1) Keizaburo SASAKI, 2) Hiroyuki HATTORI and  
3) Noriko NIIZATO

a citizen of Japan,

residing at

- 1) 1-8-504, Hinode-cho, Yokosuka-shi, Kanagawa 238-0006, Japan
- 2) 1-158-105, Mutsukawa, Minami-ku, Yokohama-shi, Kanagawa 232-0066, Japan
- 3) 6-1-710, Hikarinooka, Yokosuka-shi, Kanagawa 239-0847, Japan

have invented one or more inventions (hereinafter referred to as "said invention(s)")  
disclosed in an application for Letters Patent of the United States titled

DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE,  
GATEWAY AND COMMUNICATION APPARATUS

(hereinafter referred to as "said application"), said application having been executed on  
even date herewith or filed on September 21, 2000 and assigned application Serial  
No. 09/667,084.

WHEREAS, NTT DoCoMo, Inc.,  
(hereinafter together with its successors and assigns referred to as "the Assignee"), a  
Japanese corporation, having a place of business at

11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan

is desirous of obtaining all right, title and interest in, to and under said invention(s) and  
said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and  
sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set  
over, and by these presents hereby sell, assign, transfer and set over to the Assignee all  
right, title and interest in, to and under said invention(s) and said application, including  
the right to apply for any Letters Patent of the United States of America and in any and all  
foreign countries on said invention(s), and any and all other applications for Letters Patent  
on said invention(s), in whatsoever countries, including all divisional, renewal, substitute,  
continuation, continuation-in-part and convention applications based in whole or in part  
upon said invention(s) or upon said application, and any and all Letters Patent which may  
issue thereon in the United States and foreign countries, and any and all reissues,  
extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent  
granted for said invention(s) or upon said applications, to the full term or terms for which  
said Letters Patent may be issued, and every priority right that is or may be predicated  
upon or arise from said invention(s), said application and said Letters Patent, the same to  
be held and enjoyed by the Assignee for its own use and benefit fully and entirely as if the  
same would have been held and enjoyed by us had this Assignment not been made. We  
hereby authorize the Assignee to file patent applications in any and all countries on any or  
all of said invention(s) in our names, or in its name, or otherwise as the Assignee may deem  
advisable, under the International Convention or otherwise.

We hereby authorize the Commissioner of Patents and Trademarks of the United States, and any official of any other country empowered to issue patents, to record this Assignment, and to issue or transfer all said Letters Patent on said invention(s) to the Assignee as owner of all right, title and interest therein, or otherwise as the Assignee may direct, in accordance with the terms of this Assignment.

We hereby represent and warrant that we have the full right to convey the entire right and interest herein assigned, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein.

We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: January 12, 2001

Keizaburo Sasaki  
(Signature) Keizaburo SASAKI

Date: January 12, 2001

Hiroyuki Hattori  
(Signature) Hiroyuki HATTORI

Date: January 12, 2001

Noriko Niizato  
(Signature) Noriko NIIZATO